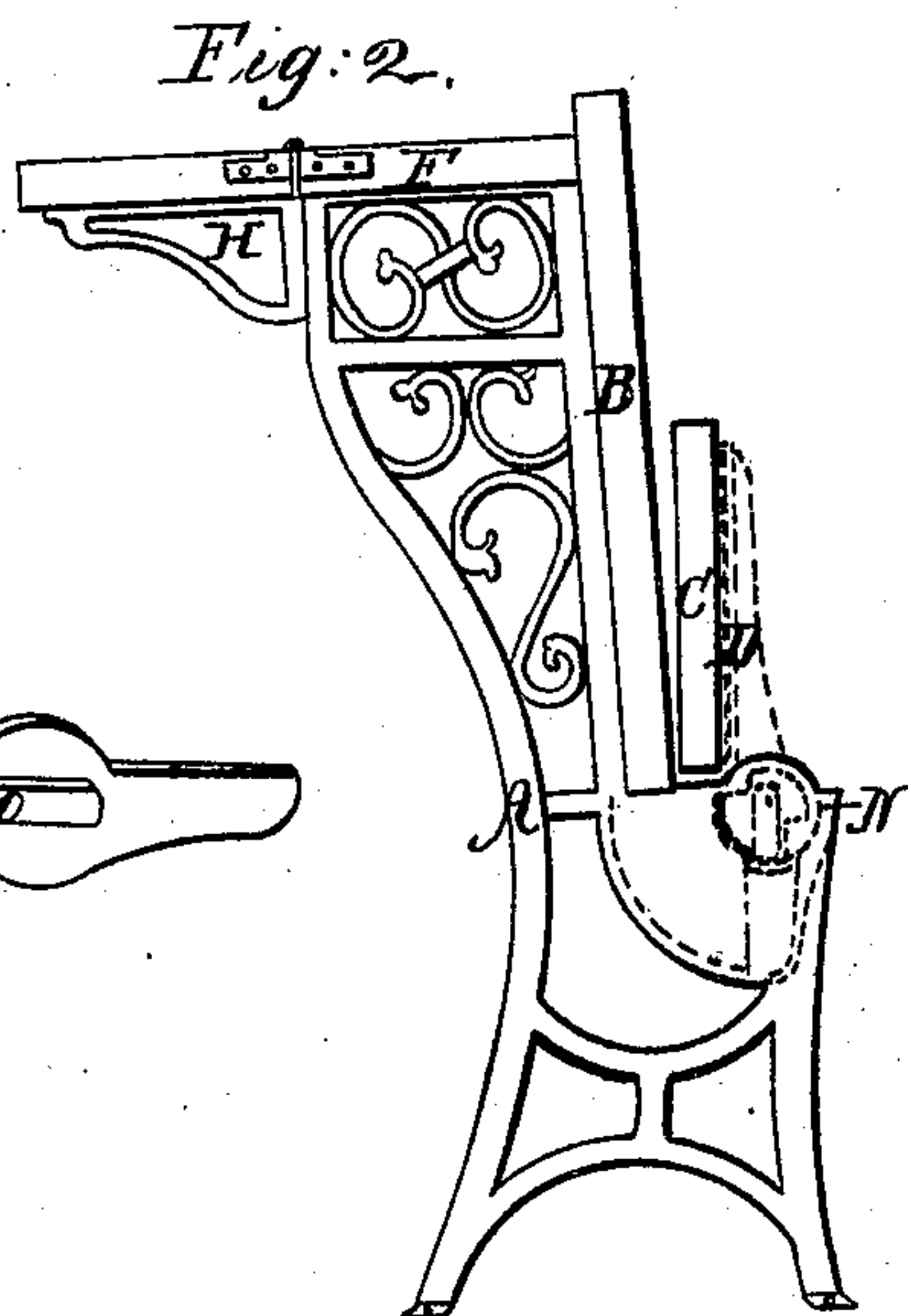
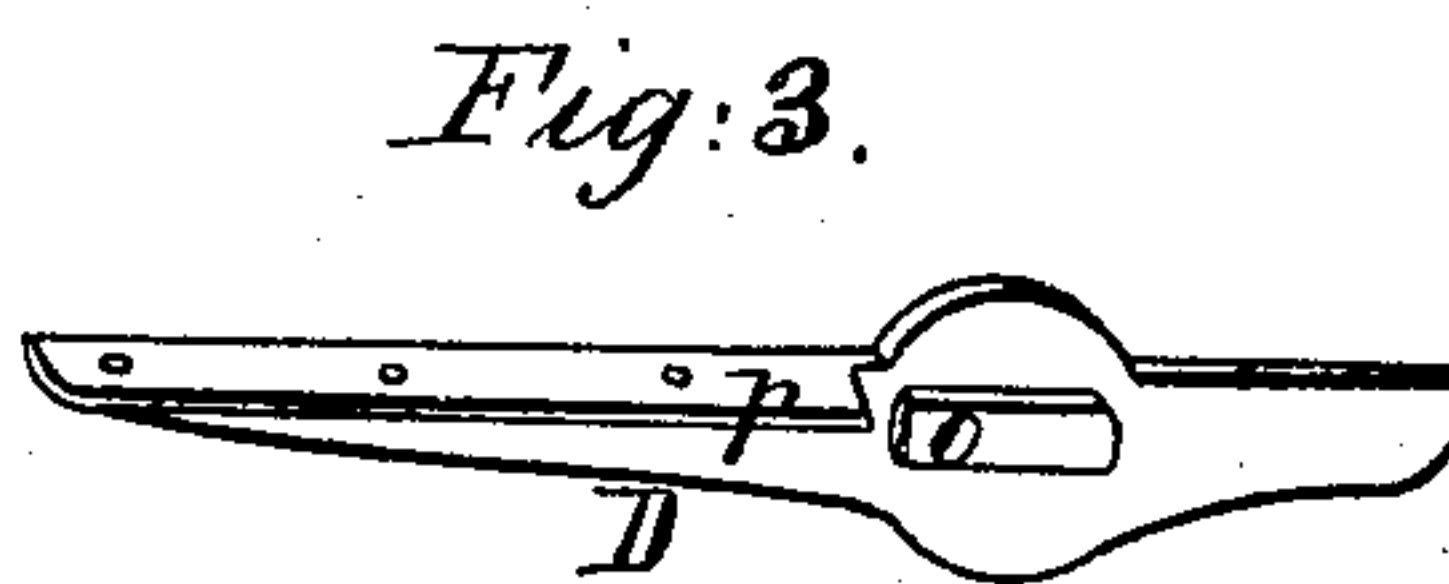
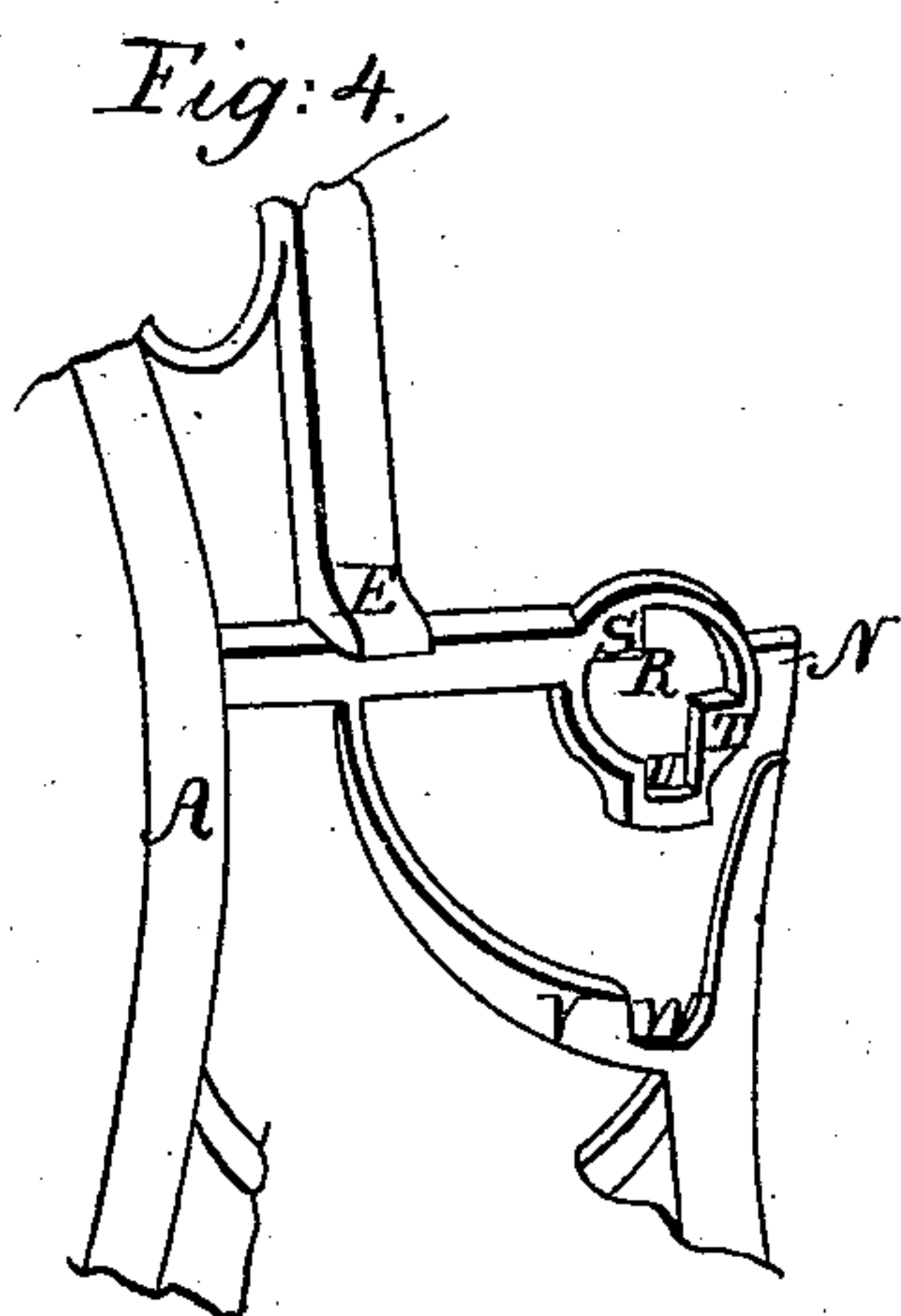
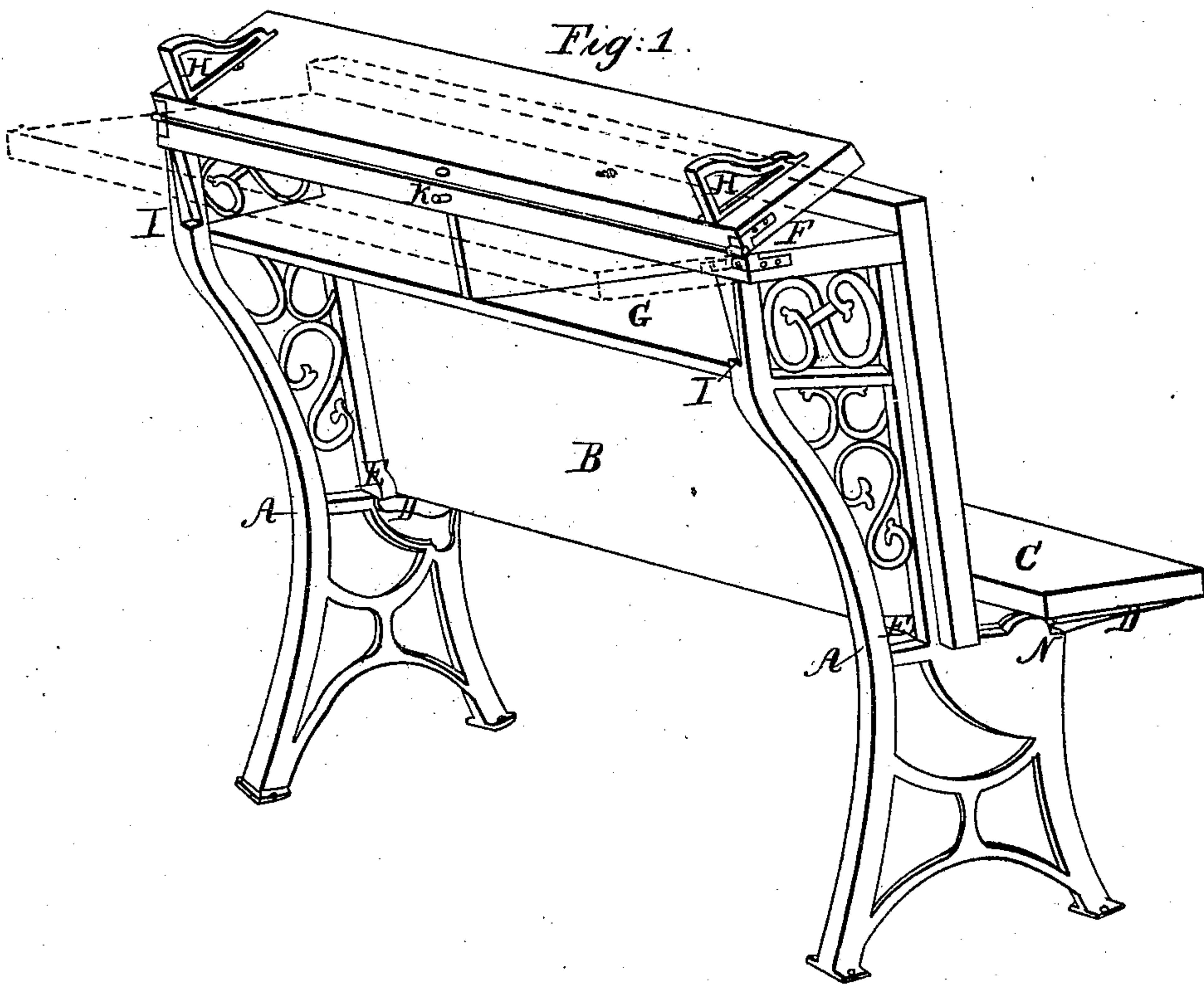


G. A. Stewart.

School Desk.

Nº 85,544.

Patented Jan. 5, 1869.



Witnesses;
J. Cressey
Attorney

Inventor;
G. A. Stewart.



G. A. STEWART, OF DES MOINES, IOWA.

Letters Patent No. 85,544, dated January 5, 1869.

IMPROVED SCHOOL-DESK AND SEAT.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, G. A. STEWART, of Des Moines, in the county of Polk, and State of Iowa, have invented a new and useful Improvement in School-Desks and Seats combined; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and general arrangement of a combined folding desk and folding seat, as hereinafter described.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view;

Figure 2, a side view, with seat folded;

Figure 3, a perspective view of the arm of the seat-hinge inverted; and

Figure 4, a perspective sectional view of the inside of the standard at the seat-hinge.

A A represent two standards or legs, which are made of cast-iron frames, with ornamental designs, and provided with the usual feet, for securing them to the floor.

At a suitable height, on the front of these standards, is secured a board, B, which forms the back of the seat.

The seat C is hinged to the standards A A, in front of the lower edge of the back, B, and is secured, on its under side, at each end, to the arm of the seat-hinge.

The seat-hinge is formed by the inverted arm D, with an oblong pivot or block, o, and flange, p, as in fig. 3, in connection with a section of the standard A, as shown in fig. 4, and operates as follows:

When the seat is unfolded, the block o rests horizontally in the socket R, with its lower front edge on the shoulder T, and its upper rear edge against the shoulder S. The flange p rests on the shoulder N, and the rear end of the arm D rests up against the shoulder E, thus forming a sufficiently strong support for the seat.

When the seat is being folded, the block o turns closely in the socket R, until its upper front edge comes against the front of the shoulder S, and its rear end over slot U, the rear end of the arm D having, at the same time, moved down along the rim V, and over the slot W. The seat then drops with the rear end of block o in slot U, and the rear end of the arm in slot W, thus locking itself in a perpendicular position, which prevents it from being carelessly or accidentally thrown down.

On top of the standards is the desk F, one-half of which is hinged to the stationary part, and can be folded up by means of butts or end-hinges.

Under the stationary part of the desk is a shelf, G, for books, &c.

The leaf or folding part of the desk, when unfolded, is supported by the brackets H H, resting in the shoulders I I, near the top of the standards; also, by means of the dowel-pin K, in the edge of the stationary part of the desk, and a corresponding socket in the inside edge of the leaf, thus forming a sufficiently strong support for the desk when unfolded.

To prevent any noise in folding and unfolding the seat, small pieces of rubber are screwed to the back edge of the seat, and under edge of the back, near each end, and over the rear part of the arm D.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the standards A A, folding seat C, arms D D, blocks o o, flanges p p, sockets R R, shoulders E E, N N, S S, T T, slots U U, rims V V, slots W W, folding desk F, shelf G, brackets H H, shoulders I I, dowel-pin K, with corresponding socket, all arranged and operating together substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand, this 29th day of October, 1868.

G. A. STEWART.

Witnesses:

T. J. CRESSEY,

C. A. NORTON, M. D.